

PATENT COOPERATION TREATY

**PCT**

**INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>BPULBB090BWO</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/BE2004/000180</b>	International filing date (day/month/year). <b>21/12/2004</b>	(Earliest) Priority Date (day/month/year) <b>24/12/2003</b>
Applicant <b>UNIVERSITE LIBRE DE BRUXELLES</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box II).

3.  Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

**COMPUTER-CONTROLLED INTRAVENOUS DRUG DELIVERY SYSTEM**

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b.  none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/BE2004/000180

## Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The present invention relates to a system for computer-aided intravenous delivery of anesthetics and/or other drugs to a patient. Wherein the system contains a set of configurable written procedures to steer intravenous anesthetic drug delivery and/or other drug delivery, whereby said procedures have been adapted to the type of surgical action and/or therapy, adapted to the patient's physical condition, and adapted to the type of drugs, tools and theoretical models used.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/BE2004/000180

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61M5/172

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/169636 A1 (SCHLÖTTERBECK DAVID L ET AL) 14 November 2002 (2002-11-14) abstract paragraph '0022! - paragraph '0053!; figures 1-7 paragraph '0058! ----- WO 99/10029 A (LARKINS WILLIAM T ;MANDRO MARC A (US); DEMERS JASON A (US); KAMEN) 4 March 1999 (1999-03-04) abstract page 16, line 1 - page 27, line 13; figures 3,4 ----- US 2003/217747 A1 (DEROUEEN JASON ET AL) 27 November 2003 (2003-11-27) abstract; figure 1 ----- -/-	1-14 1-14 1
A		

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

\* Special categories of cited documents :

- \*'A' document defining the general state of the art which is not considered to be of particular relevance
- \*'E' earlier document but published on or after the international filing date
- \*'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*'O' document referring to an oral disclosure, use, exhibition or other means
- \*'P' document published prior to the international filing date but later than the priority date claimed

- \*'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*'&' document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

3 May 2005

13/05/2005

Name and mailing address of the ISA

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Nielsen, M

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/BE2004/000180

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/045858 A1 (VERSICHELEN LINDA ET AL) 6 March 2003 (2003-03-06) abstract -----	1
A	US 5 713 856 A (BOLLISH STEPHEN J ET AL) 3 February 1998 (1998-02-03) abstract -----	1
A	US 5 041 086 A (KOENIG PAUL A ET AL) 20 August 1991 (1991-08-20) abstract -----	1

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/BE2004/000180

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: 15 because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT – Method for treatment of the human or animal body by therapy
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/BE2004/000180

Patent document cited in search report	Publication date	Patent family member(s)		Publication date	
US 2002169636	A1 14-11-2002	US 5941846 A US 5713856 A CA 2434322 A1 CN 1493049 A CZ 20032608 A3 EP 1371003 A2 HU 0303338 A2 JP 2005506103 T NO 20033753 A WO 02069099 A2 AU 730203 B2 AU 7837298 A CA 2293640 A1 EP 0991445 A1 JP 2002505598 T WO 9856450 A1 AU 703178 B2 AU 4917296 A CA 2215368 A1 DE 69630946 D1 DE 69630946 T2 EP 0814864 A1 IL 117128 A JP 11502132 T WO 9628209 A1 US 5836910 A			24-08-1999 03-02-1998 06-09-2002 28-04-2004 14-07-2004 17-12-2003 29-12-2003 03-03-2005 25-08-2003 06-09-2002 01-03-2001 30-12-1998 17-12-1998 12-04-2000 19-02-2002 17-12-1998 18-03-1999 02-10-1996 19-09-1996 15-01-2004 21-10-2004 07-01-1998 17-08-1999 23-02-1999 19-09-1996 17-11-1998
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/BE2004/000180

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5041086	A 20-08-1991	CA	1319068 C	15-06-1993
		DE	3855745 D1	20-02-1997
		DE	3855745 T2	24-04-1997
		EP	0319268 A2	07-06-1989
		JP	1308569 A	13-12-1989
		JP	2800919 B2	21-09-1998